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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/672,977	09/26/2003	Bennett Marks	042933/267064	4050
826	7590	06/20/2007		
ALSTON & BIRD LLP BANK OF AMERICA PLAZA 101 SOUTH TRYON STREET, SUITE 4000 CHARLOTTE, NC 28280-4000			EXAMINER BATES, KEVIN T	
			ART UNIT 2155	PAPER NUMBER
			MAIL DATE 06/20/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/672,977

Applicant(s)

MARKS ET AL.

Examiner

Kevin Bates

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 September 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*. See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>9-26-03, 2-3-05</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This Office Action is in response to a communication made on September 26, 2003.

The Information Disclosure Statements received September 26, 2003 and February 3, 2005 have been considered.

Claims 1-28 are pending in this application.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Hansen (WO 99/56431) (Applicant's IDS).

Regarding claims 1, 8, 15, and 22, Hansen teaches a method of requesting a resource over at least one network, the method comprising:

receiving a resource request for the resource at a network entity, the resource request including a group header identifier (Page 15, lines 1 – 3);

identifying at least one header field associated with the group header identifier at the network entity (Page 15, lines 3 – 6); and

processing the resource request in accordance with the at least one header field associated with the group header identifier (Page 14, lines 9 – 16).

Regarding claims 2, 9, 16, and 23, Hansen teaches a method according to claims 1, 8, 15, and 22 further comprising: associating the at least one header field with the group header identifier before receiving the resource request for the resource (Page 6, lines 25 – 27).

Regarding claim 3, 10, 17, and 24, Hansen teaches a method according to claims 2, 9, 16, and 23, wherein associating the at least one header field with the group header identifier comprises: receiving an earlier request at the network entity from a terminal, the earlier request including at least one header field and a call for associating the at least one header field with a group header identifier (Page 10, line 29 – Page 11, line 2); associating the at least one header field with a group header identifier (Page 6, lines 25 – 27); and sending the group header identifier to the terminal (Page 6, lines 27 – 29).

Regarding claims 4, 11, 18, and 25, Hansen teaches a method according to claims 3, 10, 17, and 24 further comprising: receiving a subsequent request at the network entity from the terminal after sending the group header identifier to the terminal, the subsequent request including the group header identifier and an alternative at least one header field; and associating the alternative at least one header field with the group header identifier (Page 10, lines 13 – 19).

Regarding claims 5, 12, 19, and 26, Hansen teaches a method according to claims 1, 8, 15, and 22, wherein the network entity comprises an origin server, and wherein processing the resource request comprises processing the resource request at the origin server (Page 5, lines 13 – 24).

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Regarding claims 7, 14, 21, and 28, Hansen teaches a method according to claims 1, 8, 15, and 22, further comprising: sending the resource request for the resource to the network entity from a terminal before receiving the resource request, wherein sending the resource request comprises sending the resource request to the network entity at least partially over a wireless link (Page 5, lines 13 – 15).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 6, 13, 20, and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansen in view of Chapman (6438123).

Regarding claims 6, 13, 20, and 27, Hansen teaches a method according to claims 1, 8, 15, and 22.

Hansen does not explicitly indicate wherein the network entity comprises a gateway, wherein the method further comprises: substituting the group header identifier in the resource request with the at least one header field associated with the group header identifier after identifying the at least one header field; and sending the resource request including the substituted at least one header field to an origin server, and wherein processing the resource request comprises processing the resource request at the origin server.

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Chapman teaches a system for suppressing packet headers through part of the network then restoring them at the end of the network (Column 6, lines 16 – 19). It identifies the stored packet headers by an index number (Column 6, line 65 – Column 7, line 6). Once the packet is restored it is passed to the network like a normal packet (Column 7, lines 9 – 11).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use Chapman's teaching of re-adding header information to the packets to allow the packet to be handled like a normal packet for the rest of the network in Hansen so that the header suppression is only used across the low bandwidth part of the network and handled like a normal packet in the rest of the network.

Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U. S. Patent No. 6397259 issued to Lincke, because it teaches a method of minimizing overhead across a wireless network.

U. S. Patent No. 7215684 issued to Rosen, because it teaches a method of reducing packet header size.

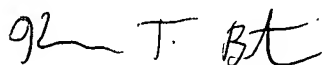
U. S. Patent No. 5627829 issued to Gleeson, because it teaches reducing the packet header size.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Bates whose telephone number is (571) 272-3980. The examiner can normally be reached on 9 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, appearing to read 'K. T. Bates'.

Kevin Bates
June 17, 2007